

## ABSTRACT

### METHOD AND SYSTEM ARCHITECTURE FOR SECURE COMMUNICATION BETWEEN TWO ENTITIES CONNECTED TO AN INTERNET NETWORK 5 COMPRISING A WIRELESS TRANSMISSION SEGMENT

10 The invention concerns a method and an architecture for secure communication between two entities ( $U_1$ , 36a) associated with a system (10, 3') and interconnected to an internet network ( $RI$ ,  $R$ ) comprising a wireless transmission segment ( $RTT$ ). The entities are software applications (36a) hosted by the systems (3') and/or users ( $U_1$ ) of these systems (10). One of the systems is a terminal (10) in WAP technology connected to the wireless transmission segment ( $RTT$ ), constituting a client system, the other constituting a server system (3'). A permanent network address is assigned to the two entities ( $U_1$ , 36a), preferably in conformity with the IPV6 protocol. The server (3') and client (10) systems 15 include a communication protocol stack comprising IP address levels and end-to-end security, preferably in conformity with the IPSec protocol, which provides services for authentication, confidentiality and integrity. The server system (3') includes an additional logical layer (32) that allows an integrated WAP server to use application interfaces identical to those commonly use by web servers.

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**FIG. 9**

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